

# Homework Assignment XI

Physics 105.2, Instructor: Petr Hořava

This is the final homework assignment of this course. It will be due on **Friday, May 9**, and not on May 2 as originally scheduled. This change will re-establish the correlation between the material covered in the lectures and the material covered in the homeworks.

This week's recommended reading consists of the entire Chapter 9. Next week you can add to that Chapters 10 and 11, which will also be discussed in class, but since they are more qualitative than the rest of the book no homework relating to the material of Ch. 10 and 11 will be assigned. Ch. 12, Special Relativity, is beyond the scope of the syllabus of this 105 course, and will not be discussed.

Here are this week's problems:

1. Hand-Finch, Problem 2 of Chapter 9.
2. Hand-Finch, Problem 8 (a) of Chapter 9.
3. Hand-Finch, Problem 8 (b) of Chapter 9.
4. Hand-Finch, Problem 15 of Chapter 9.
5. Hand-Finch, Problem 21 of Chapter 9.